

## Molarity Worksheet

*Calculate the molarities of the following solutions:*

- 1) 2.3 moles of NaCl in 0.45 liters of solution.
- 2) 1.2 moles of  $\text{CaCO}_3$  in 1.22 liters of solution.
- 3) 120 grams of  $\text{Mg}(\text{NO}_3)_2$  in 240 mL of solution.
- 4) 98 grams of NaOH in 2.2 liters of solution.
- 5) 23 grams of  $\text{NH}_3$  in 750 mL of solution.

How many grams of each solute do you need to make the following aqueous solutions?

- 6) 2.0 L of 6.0 M HCl
- 7) 1.5 L of 2.0 M NaOH
- 8) 0.75 L of 0.25 M  $\text{Na}_2\text{SO}_4$
- 9) 450 mL of 0.12 M NaCl